Technology Education

Introduction

Technology Education is a Bachelor of Science degree program consisting of general, professional and technical course work that leads to teaching certification in all 50 states. Students who complete the B.S. in Technology Education may be eligible for credits relative to Project Lead the Way, a K-12 pre-engineering teaching initiative. Although the program is designed to lead to an education degree, graduates have also found challenging career opportunities in fields related to communication, construction, manufacturing and transportation. More than 32 credits of technical requirements provide students with hands-on experiences using computers, robots, electronics, and with more conventional equipment used in processing materials, transportation, construction and processing information. Course work is enriched by involvement with professional organizations and professional activities.

General Requirements
Bachelor of Science Degree

Total for graduation	128 credits
General Education	43-44 credits
Major Studies	84 credits

Program Requirements

General Education

43-44 credits required

A. Communication Skills — 8 Credits

ENGL-101	Freshman English – Composition *or*	
ENGL-111	Freshman English – Honors I	3
ENGL-102	Freshman English – Reading and Related Writing or	
ENGL-112	Freshman English – Honors II *or*	
ENGL-113	Freshman English – Honors Seminar I	3
SPCOM-100	Fundamentals of Speech	2

B. Analytic Reasoning — 6 Credits

MATH-121	Introductory College Mathematics II (*or higher level*)	4
STAT-XXX	*Any Statistics*	2

C. Health and Physical Education — 2 Credits

Courses must be from areas of health, physical education or nutrition.

D. Humanities and the Arts* — 9 Credits

LIT-XXX	*Any Literature*	3
XXX-XXX	*Any Creative/Performing Arts*	3

*Remaining course must be from areas including art history, creative arts, history, literature, music appreciation, per forming arts or philosophy. * Either HIST-210 Modern World must be taken under this category or ANTH-220 Cultural Anthropology must be taken under Category E.*

E. Social and Behavioral Sciences * — 9 Credits

POLS-210	American Government	3
PSYC-110	General Psychology	3

*Remaining course must be from areas of anthropology, economics, geography, political science, psychology or sociology. * See previous note under Category D.*

Teacher Education Requirements

Students proceed through a series of three benchmarks as they move toward licensure.

Benchmark I: Acceptance into Teacher Education

Teacher education students will begin fulfilling their requirements for Benchmark I as they complete their first 40 credits. Detailed information is online at: **www.uwstout.edu/soe/students/requirements-benchI.shtml**.

- Pass the Pre-Professional Skills Test (*PPST*)
- Attain a 2.75 cumulative grade point average
- Pass the required teacher background check
- Earn a grade of at least 2.00 (*C*) in ENGL-101 and ENGL-102 or ENGL-111 and ENGL-112.
- Earn a minimum grade of 2.00 (*C*) in SPCOM-100 Fundamentals of Speech.
- Earn a minimum grade of 2.00 (*C*) in TECED-160 Introduction to Technology Education
- Complete EDUC-326 Foundations of Education
- Complete General Education Technology requirement
- Satisfactory rating on Benchmark I Portfolio Assessment rubric
- Satisfactory rating on Benchmark I Student Interview

Benchmark II: Application for Student Teaching

Benchmark II must be completed prior to student teaching. Detailed information is online at: **www.uwstout.edu/soe/students/requirements-benchI.shtml**.

- Complete Application for Student Teaching form
- Maintain a 2.75 grade point average
- Pass Content Knowledge Exam (*Praxis II*)
- Receive clearance through an updated background check
- Complete a satisfactory tuberculosis (*TB*) test
- Receive satisfactory portfolio assessment by faculty
- Receive satisfactory rating on Benchmark II Student Interview
- Submit copies of resume to the School of Education prior to student teaching

Benchmark III: Program Completion

Benchmark III must be completed before you can be recommended for licensure. Detailed information is online at: **www.uwstout.edu/soe/students/requirements-benchI.shtml**.

- Complete electronic portfolio and receive a basic or higher proficiency level of assessment
- Complete all program coursework
- Meet all program-specific requirements
- Student teach at two levels: Middle School and High School.
- Receive a satisfactory student teaching assessment

F. Natural Sciences (with Lab) **8 Credits**

BIO-111	Science, Society and the Environment	4

Choose the following PHYS courses or others at a higher level:

PHYS-211	Introduction to Physics	3
PHYS-212	Introduction to Physics Lab	1

G. Technology **2 Credits**

Major Studies

84 credits required

Professional Education **13 credits**

Grade of "C' or better required for all courses.

EDUC-303	Educational Psychology	3
EDUC-326	Foundations of Education	2
EDUC-336	Multiculturalism: Issues and Perspectives	2
EDUC-376	Field Experience – Cross Cultural Experience	1
EDUC-382	Secondary Reading and Language Development	2
SPED-430	Inclusion of Students with Exceptional Needs	3

Technology Teacher Education Courses **33 credits**

Grade of "C' or better required for all courses.

STMED-160	Introduction to Technology and Science Education	3
STMED-260	Curriculum, Methods and Assessment for Science and Technology Education	3
STMED-XXX	Pre-Student Teaching	1
STMED-390	Laboratory and Classroom Management in Science and Technology	3
STMED-4XX	Advanced Curriculum Methods and Assessment for Technology Education	3
TECED-325	Technology for Elementary School Children	2
TECED-340	Middle School Technology Education	2
TECED-409	Student Teaching	16

The Designed World **34 credits**

AEC-172	Construction Technology	3
ELEC-204	Electricity/Electronics Fundamentals	3
GCM-141	Graphic Communications	3
INMGT-314	Industrial Enterprise Practicum	3
MFGT-110	Materials and Manufacturing Processes	3
MFGT-204	Polymer Processes	3
RD-205	Design for Industry	3
TECED-XXX	Project Lead the Way Gateway to Technology Seminar	1
TECED-XXX	Project Lead the Way Introduction to Engineering Design Seminar	1
TRANS-XXX	Trans and Energy	3
XXX-XXX	Mechatronics	2

Take one of the following courses:

MFGT-202	Welding and Casting Processes	3
MFGT-203	Machining Metal Forming Processes	3

Take one of the following courses:

AEC-131	Architectural Graphics	3
ENGGR-112	Principles Engineering Drawing	3

Advanced Technical Selectives **4 credits**

All Technology Education students are required to meet with their advisor to plan their Advanced Technical Selectives. The purpose of this requirement is to provide the student with an opportunity to create more depth of understanding and skill within technical areas that are likely to be part of their teaching responsibilities at the secondary level. Some courses or sequences of courses may provide a student the opportunity to seek certifications by outside accrediting bodies such as Project Lead the Way. Technical college transfers need to meet with an advisor to gain approval of technical transfer courses.

Vocational Certification

A student who wishes to become certifiable to teach an advanced level occupational skills course in Wisconsin must complete this degree program, a course in Principles of Career and Technical Education, and a course in Organization and Administration of Cooperative Education Programs. The student must also have a minimum of 2,000 hours of related work experience.